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U.S.PTO  
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## PATENT APPLICATION TRANSMITTAL LETTER

TO: Box PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, DC 20231GE Case No. 24GA127098  
Atty Docket No. 8564-000032/US  
Express Mail Label No.: N/A

Transmitted herewith for filing under  
35 USC 111(a) and 37 CFR 1.53(b) (NEW UTILITY OR DESIGN PATENT APPLICATION)  
as a new:  utility or  design patent application

for application entitled:  
**AXIALLY SEGREGATED PART-LENGTH FUEL RODS IN A REACTOR FUEL BUNDLE**

and invented by: LUKAS TROSMAN; CARRY L. KUNZ; RUSSELL E. STACHOWSKI;  
RUSSELL M. FAWCETT; SHINGO FUJIMAKI; DAISUKE GOTO

1684 U.S.PTO  
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123103

Enclosed are:

1.  Specification with 20 total pages having:
  - a.  Claims numbered from 1 to 20
  - b.  Abstract
  - c.  Drawing (s) (35 USC 113) as follows:
    - (1)  Formal  Informal
  - d.  Total sheets – 3 with Figures No. 1 to 5  
 Oath or Declaration with 5 total pages as follows:
    - (1)  Newly executed and signed  Unsigned
    - (2)  Copy from prior application (37 CFR 1.63d) Serial No. filed on
    - (3)  With Power of Attorney  Without Power of Attorney
2.  Assignment (Coversheet and documents)
3.  Preliminary Amendment
4.  Return Receipt Postcard (MPEP 503) (should be specifically itemized)
5.  Application Data Sheet
6.  Information Disclosure Statement  
 PTO-1449  Copies of Cited Documents
7.  Certified Copy of Priority Document
8.  Nonpublication Request under 35 USC 122(b)(2)(B)(i) Applicant must attach form PTO/5B/35 or its equivalent
9.  Additional Enclosures as follows:
  - a.  Property Rights Statement
  - b.
10. If a continuation or divisional application:  
 continuation  division  continuation-in-part of prior application Serial No. filed on:  
 Cancel in this application original claims \_\_\_\_\_ of the prior application before calculating the filing fee (at least one independent claim must be retained for filing purposes)  
 Amend the specification by inserting before the first line: This application is a \_\_\_\_\_ application Serial No. \_\_\_\_\_ filed on \_\_\_\_\_ which is hereby incorporated by reference in its entirety.  
 Prior application information: Examiner \_\_\_\_\_ Group Art Unit \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 1 d (2), is considered a part of the

disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

11.  Filing fee calculated and transmitted:

a.  utility patent application filing fee as described below for the claims as filed less any canceled above

Large Entity				
For	No. Filed	No. Extra	Rate	Fee
Basic				\$ 770.00
Total Claims	20 - 20 =	0	x \$ 18 =	\$ 0.00
Ind. Claims	3 - 3 =	0	x \$ 86 =	\$ 0.00
Mult. Dep. <input type="checkbox"/>			+ \$280 =	\$ 0.00
<b>Total Filing Fee</b>				<b>\$ 770.00</b>

b.  design patent application filing fee of \$330.00

c.  The Commissioner is hereby authorized to charge and credit Deposit Account No. 08-0750 as described below. A duplicate copy of this sheet is enclosed.

(1) Charge the amount of  \$330.00  \$740.00  \$ for the filing fee.

(2)  Credit any overpayment.

(3)  Charge any additional filing fees required under 37 CFR 1.16 and 1.17.

(4)  Charge the Issue Fee set in 37 CFR 1.18 at the mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).

d.  A check in the amount of \$810.00 for the filing fee(including recordation fee, \$40.00) is enclosed.

Date: December 31, 2003

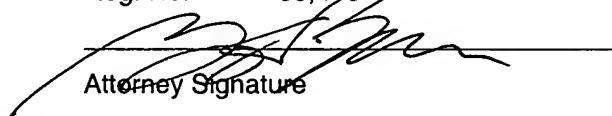
Harness, Dickey & Pierce, P.L.C.

Attorney Name Gary D. Yacura

P.O. Box 8910 (Address)

Reg. No. 35,416

Reston, VA 20195

  
Attorney Signature

Tel: 703/668-8000 Fax: 668-8200

Email: gyacura@hdp.com

12. Correspondence Address

Customer Number or Bar Code label **33727**

Or  Correspondence Address below

Name Harness, Dickey & Pierce, P.L.C.

Address P.O. Box 8910

City Reston State VA Zip 20195

Country USA Telephone 703/668-8000 Fax 703/668-8200

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 as Express Mail No. on and is addressed to the Assistant Commissioner for Patents, Box PATENT APPLICATION, Washington, DC 20231.

Name Date

Signature: \_\_\_\_\_

PATENT  
GE Case No. 24GA127098

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Lukas TROSMAN et al.

Art Unit: Not Yet Assigned

Serial No: Not Yet Assigned

Filed:

For: **AXIALLY SEGREGATED PART-LENGTH FUEL RODS IN A REACTOR FUEL BUNDLE**

**PROPERTY RIGHTS STATEMENT**

Honorable Commissioner of Patents and Trademarks

**Attn: Licensing and Review**

Washington, D.C. 20231

I, LUKAS TROSMAN, a citizen of the United States of America, residing at Wilmington, NC and employed by GNFA respectively, declare:

I, CARY L. KUNZ, a citizen of the United States of America, residing at Wilmington, NC and employed by GNFA respectively, declare:

I, RUSSELL E. STACHOWSKI, a citizen of the United States of America, residing at Wilmington, NC and employed by GNFA respectively, declare:

I, RUSSELL M. FAWCETT, a citizen of the United States of America, residing at Atkinson, NC and employed by GNFA respectively, declare:

I, SHINGO FUJIMAKI, a citizen of Japan, residing at Yokohama-Shi, Japan, and employed by GNFJ respectively, declare:

I, DAISUKE GOTO, a citizen of Japan, residing at Kamakura-shi, Japan and employed by GNFJ respectively, declare

1. That I made and conceived the invention described and claimed in the above-identified patent application.
2. That I made and conceived this invention while employed by Global Nuclear Fuel – Americas, LLC (GNFA) or Global Nuclear Fuel – Japan Co., Ltd. (GNFJ) as indicated above. That the invention is related to the work I am employed to

perform and was made within the scope of my employment duties; That the invention was made during working hours with the use of facilities, equipment, materials, funds, information and services of GNFA or GNFJ as indicated above.

3. That to the best of my knowledge and belief, the invention was not made or conceived in the course of, or in connection with, or under the terms of any contract, subcontract or arrangement entered into with or for the benefit of the United States Atomic Energy Commission or its successors: Energy Research and Development Administration or the Department of Energy.

The undersigned inventors declare further that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Inventor's Signature:

*Lukas Trosman*  
Lukas Trosman

Post Office Address:

214 Borden Avenue, Wilmington, NC 28403

Date:

12/11/03

Inventor's Signature:

*Cary L. Kunz*  
Cary L. Kunz

Post Office Address:

7946 Grenezay Road, Wilmington, NC 28411

Date:

Dec. 11, 2003

Inventor's Signature:

*Russell E. Stachowski*  
Russell E. Stachowski

Post Office Address:

4901 Brownlow Circle, Wilmington, NC 28409

Date:

Dec. 11, 2003

Inventor's Signature:

Russell M. Fawcett  
Russell M. Fawcett

**Post Office Address:**

505 Rooks Road, Atkinson, NC 28421

Date:

DEC. 11, 2003

Inventor's Signature:

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**Shingo Fujimaki**

**Post Office Address:**

2-1, Konan 1-Chome, Konan-ku, Yokohama-Shi, Japan

Date:

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Inventor's Signature:

Daisuke Goto

**Post Office Address:**

115, Ueki, Kamakura-shi, Japan, 247-0073

Date:

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